

Application No.: 09/626,699
Response to Non-Final Office Action of 4/9/2007

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

Claims 1-45 (Cancelled)

Claim 46 (Currently amended): A method for a server of a wireless network for registering to register a user equipment (UE) accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the method comprising:

establishing an anonymous communication session, using a tunneling communications protocol, with the UE via an Integrated Network Controller (INC) in response to authentication of receiving, via an anonymous communication session with the user equipment, a temporary ID and a temporary password identifying the user equipment as unregistered;

obtaining authentication of the temporary ID and the temporary password;
transmitting to the UE user equipment, via the anonymous communication session with the UE user equipment, a reply message comprising a request for registration information; and
receiving, from the UE user equipment, in response to the request for registration information, a permanent ID and a permanent password.

Claim 47 (Currently amended): The method of claim 46 in which wherein the requested registration information further comprises indicia of a preferred service provider, and receiving, from the UE, in response to the request for registration information, includes receiving the indicia of a preferred service provider from the user equipment.

Claim 48 (Currently amended): The method of claim 46 in which wherein the requested registration information further comprises indicia of a requested type of service, and receiving includes receiving the indicia of a requested type of service from the user equipment.

Claim 49 (Currently amended): The method of claim 46 in which wherein the requested registration information further comprises a preferred user name.

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Claim 50 (Currently amended): The method of claim 46, in which wherein the reply message further comprises at least one protocol filter to restrict an access to the wireless network by the user equipment.

Claim 51 (Currently amended): The method of claim 46 in which wherein the reply message further comprises at least one designation for an Internet service provider that the user equipment may access via the wireless network.

Claim 52 (Currently amended): The method of claim 46 in which wherein the reply message further comprises registration web page information.

Claim 53 (Currently amended): The method of claim 46 in which wherein the reply message further comprises at least one registration software program for execution by the user equipment.

Claim 54-55 (Cancelled)

Claim 56 (Currently amended): A method for a user equipment (UE) for registering to register with a server of a wireless network for accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, comprising:

~~transmitting, via an anonymous communication session with the server, a temporary ID and a temporary password identifying the user equipment as unregistered for authentication with the server;~~

~~receiving, at the (UE) user equipment, via an [[the]] anonymous communication session with the server via an Integrated Network Controller (INC), a reply message comprising a request for registration information, the requested registration information comprising a permanent ID and a permanent password, wherein the anonymous communication session is established using a tunneling communications protocol with the INC ; and~~

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transmitting, from the (UE) user equipment, the requested registration information via the anonymous communication session with the server.

Claim 57 (Currently amended): The method of claim 56 wherein in which the requested registration information further comprises indicia of a preferred service provider.

Claim 58 (Currently amended): The method of claim 56 wherein in which the requested registration information further comprises indicia of a requested type of service.

Claim 59 (Currently amended): The method of claim 56 wherein in which the requested registration information further comprises a preferred user name.

Claim 60 (Currently amended): The method of claim 56 wherein in which the reply message further comprises at least one protocol filter to restrict an access to the wireless network by the user equipment.

Claim 61 (Currently amended): The method of claim 56 wherein in which the reply message further comprises at least one Internet service provider designation to which the user equipment has access via the wireless network.

Claim 62 (Currently amended): The method of claim 56 wherein in which the reply message further comprises registration web page information.

Claim 63 (Currently amended): The method of claim 56 wherein in which the reply message further comprises at least one registration software program for execution by the user equipment.

Claim 64-65 (Cancelled)

Claim 66 (Currently amended): A computer-readable medium Computer-readable media comprising computer executable instructions operable for a method for a server of a wireless

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network to register a user equipment (UE) accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the instructions for method comprising: establishing an anonymous communication session, using a tunneling communications protocol, with the UE via an Integrated Network Controller (INC) in response to authentication of receiving, via an anonymous communication session with the user equipment, a temporary ID and a temporary password identifying the user equipment as unregistered; obtaining authentication of the temporary ID and the temporary password; transmitting to the UE user equipment, via the anonymous communication session with the UE user equipment, a reply message comprising a request for registration information; and receiving, from the UE user equipment, in response to the request for registration information, a permanent ID and a permanent password.

Claim 67 (Currently amended): A computer-readable medium Computer-readable media comprising computer-executable instructions for a method for a user equipment to register with a server of a wireless network to access the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the instructions for comprising: transmitting, via an anonymous communication session with the server, a temporary ID and a temporary password identifying the user equipment as unregistered for authentication with the server; receiving, at the (UE) user equipment, via an [[the]] anonymous communication session with the server via an Integrated Network Controller (INC), a reply message comprising a request for registration information, the requested registration information comprising a permanent ID and a permanent password, wherein the anonymous communication session is established using a tunneling communications protocol with the INC ; and transmitting, from the (UE) user equipment, the requested registration information via the anonymous communication session with the server.

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Claim 68 (New): The method of claim 46, wherein the INC comprises a Serving GPRS Support Node (SGSN), a tunneling protocol access concentrator, a Radio Network Controller (RNC), and a RADIUS client.

Claim 69 (New): A computer readable medium comprising instructions operable for an Integrated Network Controller (INC) for registering a User Equipment (UE) with a server of a wireless network to access the Internet through a Universal Mobile Telecommunications System (UMTS) access network, the instructions for:

- transmitting a temporary ID and a temporary password from a UE to the server;
- obtaining authentication from the server of the temporary ID and the temporary password for identifying the UE as unregistered;
- establishing an anonymous communication session, using a tunneling communications protocol, with the UE in response to the authentication from the server;
- relaying to the UE, via the anonymous communication session, a reply message comprising a request for registration information from the server; and
- relaying to the server, a permanent ID and a permanent password from the UE in response to the request for registration information.

Claim 70 (New): The computer readable medium of claim 69, wherein the INC comprises a Serving GPRS Support Node (SGSN), a tunneling protocol access concentrator, a Radio Network Controller (RNC), and a RADIUS client.

Claim 71 (New): An Integrated Network Controller (INC), for registering a User Equipment (UE) with a server of a wireless network for accessing the Internet through a Universal Mobile Telecommunications System (UMTS) access network, comprising:

- a Radio Network Controller (RNC) for transmitting a temporary ID and a temporary password from a UE to the server;
- a Serving GPRS Support Node (SGSN) for establishing an anonymous communication session, using a tunneling communications protocol, with the UE in response to authentication from the server of the temporary ID and the temporary password for identifying the UE as unregistered;

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a tunneling protocol access concentrator for relaying to the UE, via the anonymous communication session, a reply message comprising a request for registration information from the server, and for relaying to the server, a permanent ID and a permanent password from the UE in response to the request for registration information.

Claim 72 (New): The INC of claim 71, whercin the tunneling protocol access concentrator is a Layer 2 tunneling protocol access concentrator, and the anonymous communication session is a Layer 2 protocol link.

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